

FIG. 1

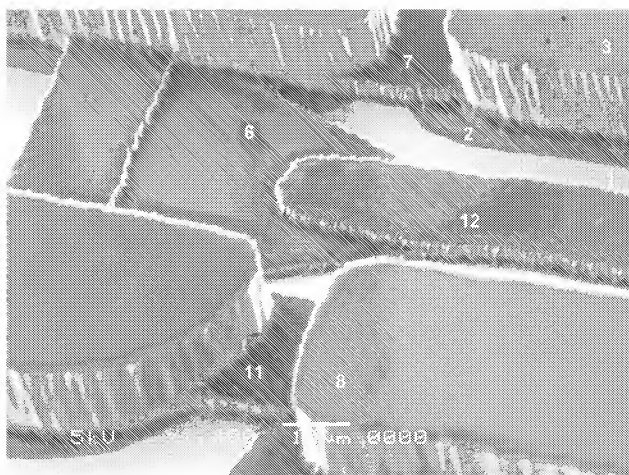


FIG. 2

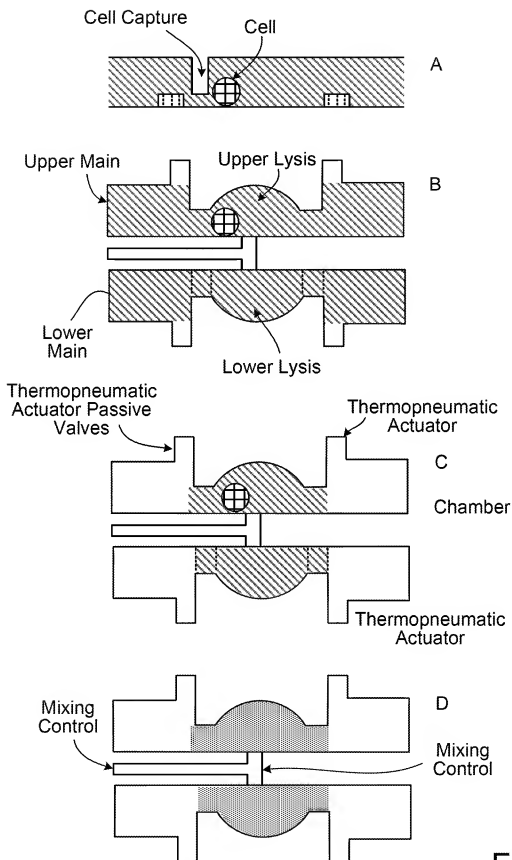


FIG. 3

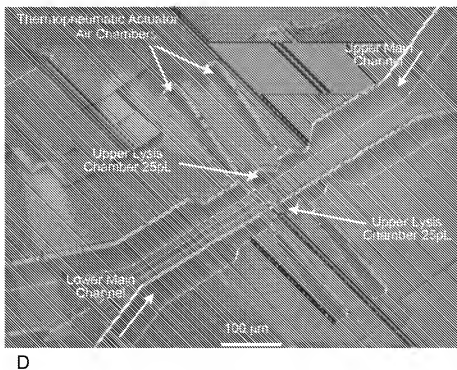
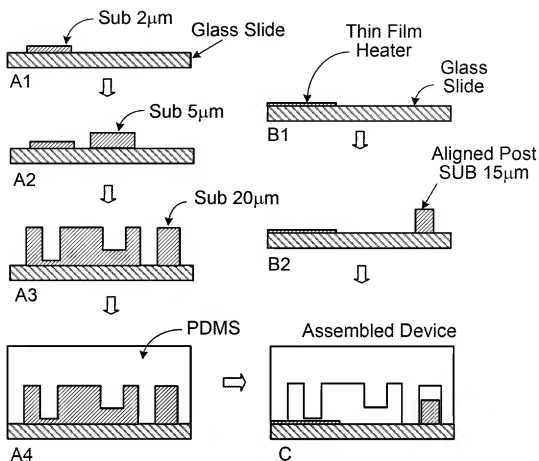


FIG. 4

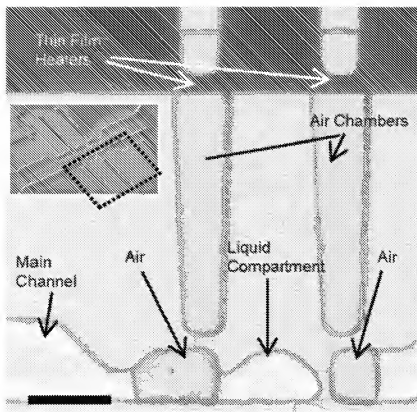


FIG. 5A

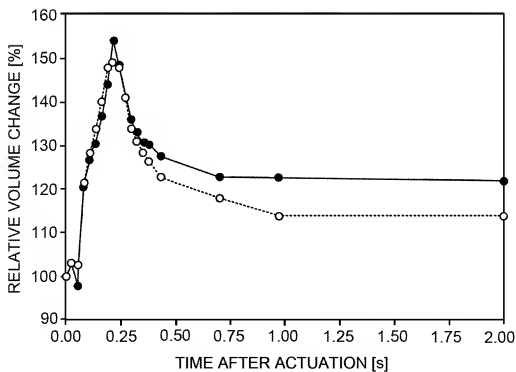


FIG. 5B

FIG. 6A

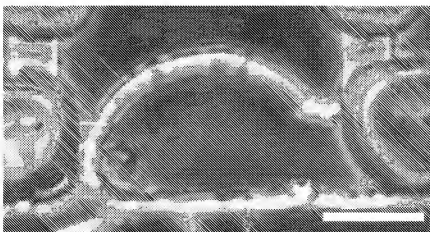
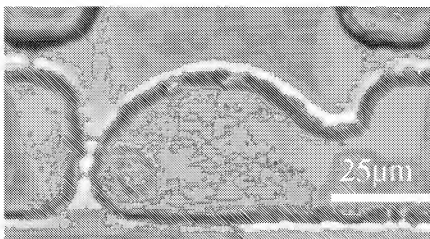


FIG. 6B

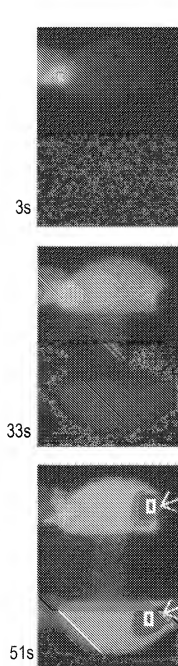


FIG. 7A

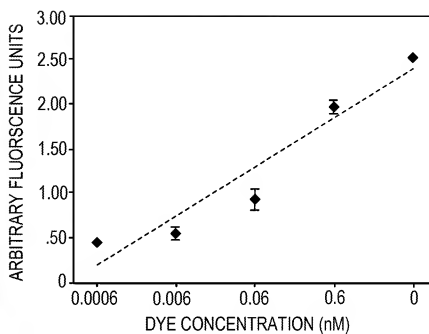


FIG. 7B

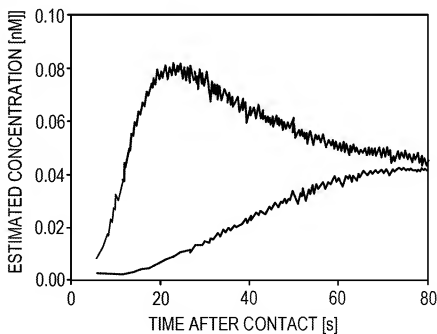


FIG. 7C

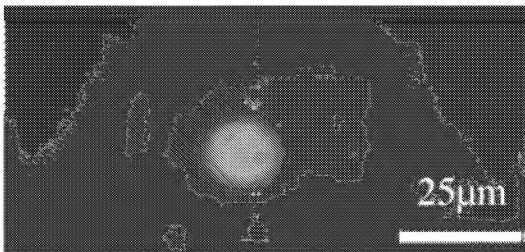
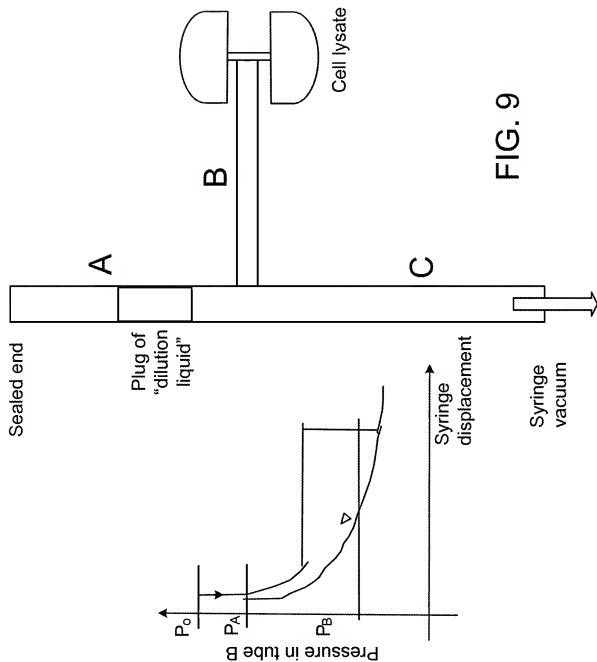


FIG. 8



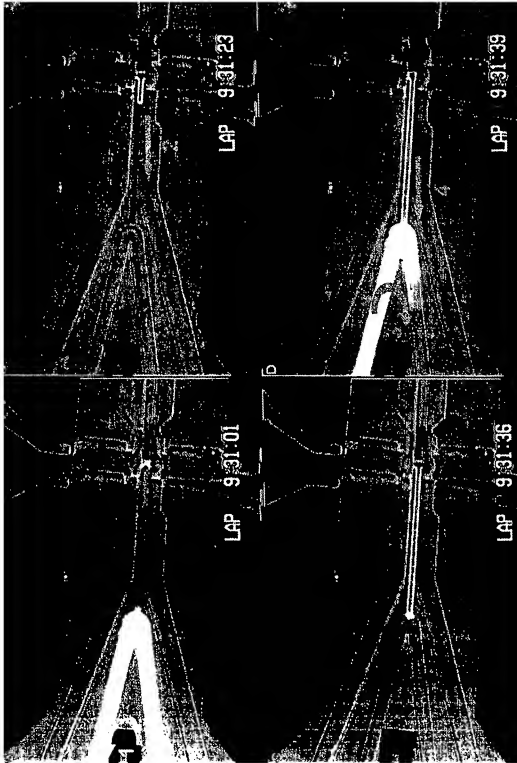


FIG. 10



Beads can be manipulated using
external magnetic fields



Beads covered with antibodies and cells

FIG. 11

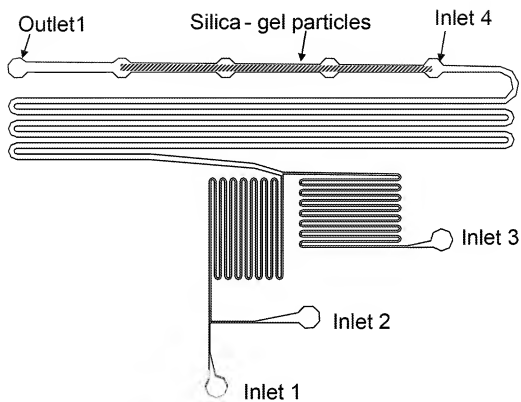
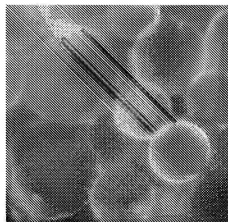
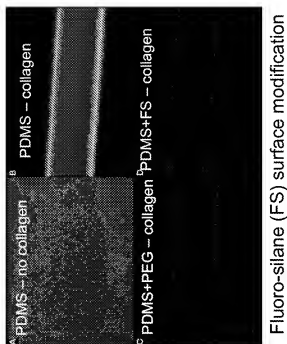
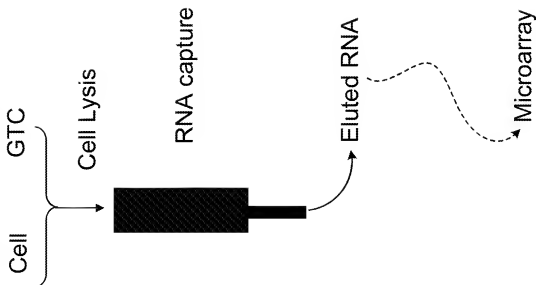


FIG. 12

Single Cell Genomic Analysis



DNA/RNA captured on resin beads,
SYTO 13 staining

FIG. 13

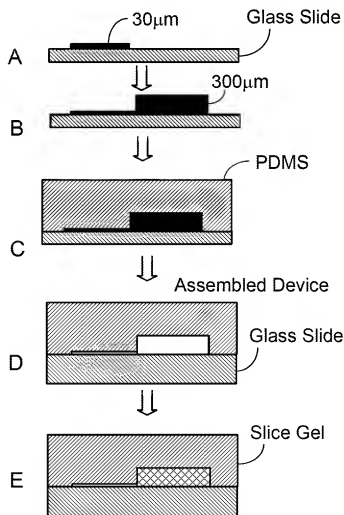
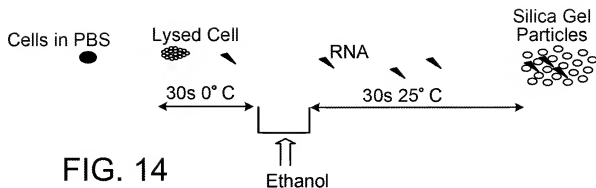


FIG. 15

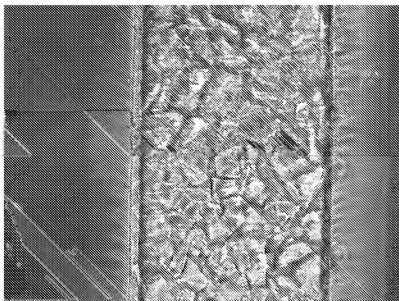
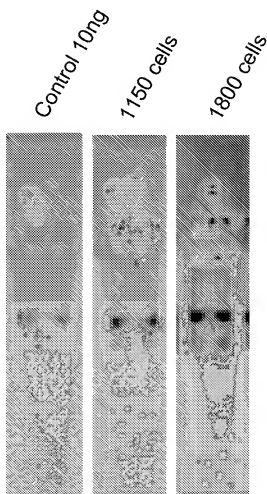


FIG. 16



FIG. 17



RNA gel electrophoresis. Tracks for 10ng control, RNA isolated from 677 and 1200 B lymphoblastoma cells using the microfabricated device.

FIG. 18